

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): An apparatus to fit within a film cavity of a non-digital camera comprising:

a circuit board;

a light detector located on the circuit board to detect light due to the opening of a shutter aperture of the non-digital camera; and

an imager located on the circuit board and coupled to the light detector and located adjacent to the shutter aperture of the non-digital camera, said imager to sense radiated energy reflective of an image received through a lens and shutter aperture of the non-digital camera when the light detector detects light due to the opening of the shutter aperture of the non-digital camera, said imager to generate signals reflective of the image.

Claim 2 (previously presented): The apparatus as set forth in claim 1, further comprising a memory to store digital data reflective of the image.

Claim 3 (currently amended): The apparatus as set forth in claim 1, further comprising a passgate coupled to the light detector located between the imager and a clock input to the imager, said passgate controlled by the light detector such that when the light detector detects light due to the opening of the shutter aperture of the non-digital camera, the passgate is switched to permit clock signals to reach the imager to ~~drive~~ drive the imager to output signals reflective of the image.

Claim 4 (previously presented): The apparatus as set forth in claim 1, wherein the light detector to control power to the imager such that when the light detector detects light due to the opening of the shutter aperture of the non-digital camera, power is supplied to the imager to generate signals reflective of the image.

Claim 5 (previously presented): The apparatus as set forth in claim 1, further comprising a passgate coupled to an output of the imager such that when the light detector

detects light due to the opening of the shutter aperture of the non-digital camera, output signals reflective of the image are output from the imager.

Claim 6 (previously presented): The apparatus as set forth in claim 1, further comprising a signal processor coupled to receive signals output by the imager.

Claim 7 (previously presented): The apparatus as set forth in claim 1, further comprising at least one output port for outputting image data from the digital camera to an external device.

Claim 8 (previously presented): The apparatus as set forth in claim 7, wherein the output port comprises a wireless transmitter for transmitting image data to a wireless receiver of an external device.

Claims 9-10 (cancel)

Claim 11 (currently amended): The apparatus as set forth in claim ~~[[6]]~~ 7, wherein the output port couples to a monitor, said apparatus further comprising analog driver circuitry to drive the monitor to display the image on the monitor.

Claims 12-14 (cancel)

Claim 15 (previously presented): The apparatus as set forth in claim 7, wherein the output port couples to the internet.

Claims 16-17 (cancel)

Claim 18 (currently amended): A method for generating digital images using a non-digital image camera comprising:

specifying an image to be recorded by actuating a shutter aperture of the non-digital camera, the actuation of the shutter aperture opening the shutter aperture;

controlling a shutter of a photocard located in a film cavity of the non-digital camera to permit light reflective of the image to be received on an imager of the photocard; and

controlling the imager of the photocard to output signals reflective of the image sensed based on the opening of the shutter aperture of the non-digital camera and the shutter of the photocard.

Claim 19 (previously presented): The method as set forth in claim 18, further comprising translating the signals to digital data, said digital data reflective of the digital image sensed.

Claim 20 (cancel)

Claim 21 (previously presented): The method as set forth in claim 18, further comprising storing in memory representations of the signals reflective of the image sensed.

Claim 22 (previously presented): The method as set forth in claim 18, further comprising processing on the photocard the signals reflective of the image sensed to modify the image.

Claim 23 (previously presented): The method as set forth in claim 18, further comprising outputting the signals reflective of the image sensed to an external device.

Claim 24 (previously presented): The method as set forth in claim 23, wherein the external device is a display device and outputting comprises generating analog signals to drive the display device in order to display the image.

Claims 25-26 (cancel)

Claim 27 (previously presented): The method as set forth in claim 23, wherein the external device is a system that provides a connection to the internet.

Claims 28-29 (cancel)

Claim 30 (previously presented): The apparatus of claim 1, further comprising an imager shutter separate from the shutter aperture of the non-digital camera.

Claim 31 (previously presented): The apparatus of claim 30, further comprising a controller to control the imager shutter independently of the shutter aperture of the non-digital camera.

Claim 32 (previously presented): The apparatus of claim 6, further comprising a single integrated circuit comprising the light detector, the imager, and the signal processor.

Claim 33 (previously presented): The apparatus of claim 32, wherein the single integrated circuit comprises a complementary metal oxide semiconductor (CMOS) device.

Claim 34 (previously presented): The apparatus of claim 2, further comprising a counter to provide an image count to the memory for storage in association with the digital data.

Claim 35 (previously presented): The apparatus of claim 34, wherein the light detector to generate a signal to increment the counter upon detection of light.

Claim 36 (previously presented): The apparatus of claim 1, further comprising a remote control to provide control signals to control operation of the apparatus.

Claim 37 (previously presented): The apparatus of claim 1, further comprising a rail mechanism to adjustably couple the circuit board into the non-digital camera.

Claim 38 (previously presented): The method of claim 18, further comprising controlling the shutter of the photocard to operate faster than the shutter aperture of the non-digital camera.

Claim 39 (currently amended): An apparatus comprising:
a photocard for insertion into a non-digital camera, the photocard including an integrated circuit comprising:

an imager to capture images through a shutter aperture of the non-digital camera;

a processor to process the images; and

a memory to store the images; and

an imager shutter separate from the shutter aperture of the non-digital camera.

Claim 40 (previously presented): The apparatus of claim 39, wherein the integrated circuit comprises a complementary metal oxide semiconductor (CMOS) integrated circuit.

Claim 41 (cancel)

Claim 42 (previously presented): The apparatus of claim 39, further comprising a second memory coupled to the integrated circuit.

Claim 43 (previously presented): The apparatus of claim 39, wherein the integrated circuit comprises circuitry to generate an analog output to drive a monitor.